

AMENDMENT TO THE SPECIFICATION

On page 23, please replace the third paragraph, lines 16-25, with the following:

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FIG. 5 illustrates a system 500 for monitoring and analyzing
5 the performance of the EKI micromixer 400 of FIG. 4. The A/C
field is created with a sine wave from a function generator
510 fed into a high-voltage (0 to ± 10 kV) amplifier 520.
Platinum electrodes (not shown) are utilized to apply a
voltage and frequency of 4 kV and 5 Hz. Ferrule frits 590 are
10 added externally to the A/C side ports 430 and 440. The
measured impedance of the frits in system 500 is nonnegligible
and is measured to be ~ 2 $[[M\Omega]]$ m Ω under the conditions
disclosed here.

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